

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (previously presented) An isolated, purified or recombinant DJ11 polypeptide, comprising a Kunitz-type protease inhibitor domain or a biologically active portion thereof, wherein said polypeptide comprises an amino acid sequence having at least 98% amino acid identity to an amino acid sequence selected from the group consisting of :

residues at positions 77 to 127 of SEQ ID NO: 1 ; and

residues at positions 52 to 102 of SEQ ID NO: 2.

2. (original) The polypeptide of claim 1, wherein said polypeptide or fragment thereof is capable of interacting with a serine protease.

3. (original) The polypeptide of claim 1, wherein said polypeptide or fragment thereof inhibits the catalytic activity of a serine protease.

4. (previously presented) The polypeptide of claim 1, wherein said polypeptide comprises an amino acid sequence at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NOS: 1 and 2.

5. (previously presented) The polypeptide of claim 1, wherein said polypeptide comprises an amino acid sequence selected from the group consisting of SEQ ID NOS: 1 and 2.

6. (previously presented) The substantially purified DJ11 polypeptide of claim 1, wherein said polypeptide is encoded by a nucleic acid having the sequence of SEQ ID NO: 11.

7. (previously presented) The isolated, purified or recombinant DJ11 polypeptide according to any one of claims 1 to 5, wherein said polypeptide comprises at least one amino acid deletion, substitution or insertion.

8.-15. (cancelled)

16. (previously presented) The isolated DJ11 polypeptide according to claim 1 comprising at least 12 contiguous amino acids of the sequence of SEQ ID NO: 1, wherein said polypeptide possesses at least one DJ11 biological activity.

17. (previously presented) The isolated DJ11 polypeptide or fragment thereof according to claim 1, further comprising at least 8 contiguous amino acids of amino acid residues 1 to 25 of SEQ ID NO: 1.

18. - 28. (cancelled)